

CLAIMS

1. A process for hydrogenating an olefin, which comprises passing upwardly a liquid containing an olefin and a gas
5 containing hydrogen through a packed bed of a solid hydrogenation catalyst, wherein the superficial velocity of the gas is 3.0 cm/sec or more.

2. The process according to claim 1, wherein the olefin is a styrene.

10 3. The process according to claim 1 or 2, wherein the superficial velocity of the gas is 3.5 to 10 cm/sec.